

Symposia

A block diagram for the proposed schedule for the conference can be found [here](#).

Symposia are listed in alphabetical order, with the ISACM symposia at the very end.
Just before the ISACM symposia is listed the special symposium "Hot Topics and James Zimmerman presentation".
Click the + for more information on each.

[+] The functional role of cross frequency coupling

Dr. Ali Bahramisharif, Radboud University Nijmegen, The Netherlands

[+] The 'How' and 'Why' of real-time neuroimaging in MEG: Implementation and clinical applications

Dr. Timothy Bardouille, IWK Health Centre, Canada

[+] Real-Time signal processing and source localization from MEG measurements

Prof. Daniel Baumgarten Technische Universität Ilmenau, Germany

[+] What disease teaches us about oscillations and vice versa

Dr. Markus Butz, Heinrich Heine University, Germany and Vladimir Litvak, University College London, UK

[+] Cross-frequency coupling - methodological challenges

Prof. Andreas Daffertshofer VU University Amsterdam

[+] The multiple facets of coherence analysis: from neurophysiology to clinical applications

Dr. Xavier De Tiège UNI - ULB Neuroscience Institute, Université libre de Bruxelles, Belgium, and Veikko Jousmäki, Aalto, Finland

[+] Mechanisms of integration/segregation in the resting brain

Prof. Stefania Della Penna University of Chieti, Italy

[+] Brain oscillations and network connectivity in typical and atypical neurocognitive development

Dr. Sam Doesburg The Hospital for Sick Children, Canada

[+] What is decoding and what can it bring to neuroscience?

Dr. Alexandre Gramfort Telecom ParisTech, CNRS - CEA Neurospin, France

[+] Novel developments in transcranial magnetic stimulation combined with electroencephalography

Dr. Julio C. Hernandez-Pavon Department of Biomedical Engineering and Computational Science, Aalto University, Finland and Simone Sarasso, University of Milan, Italy

[+] Combining transcranial current stimulation with MEG: problems, solutions, and perspectives

Mr. Jim Herring, Radboud University Nijmegen, Donders Institute for Brain, Cognition and Behavior, The Netherlands

[+] States of consciousness in health and disease: new applications for MEG in research, in the clinic and at home

Prof. Andreas Ioannides AAI Scientific Cultural Services Ltd, Nicosia, Cyprus

[+] Getting a grip on MEG gamma-band oscillations: New insights from multimodal studies

Prof. Karim Jerbi Lyon Neuroscience Research Center, France & University of Montreal, QC, Canada

[+] From neurons to behavior: Advances in computational neural modeling to interpret MEG/EEG signals

Dr. Stephanie Jones Brown University, USA

[+] Future perspectives on Magnetocardiography

Prof. Kiwoong Kim, KRISS, Korea

[+] Optically-pumped magnetometers for MEG

Dr. Svenja Knappe, NIST, USA

[+] SLEEPING in the MEG

Prof. Jean-Marc Lina, Ecole de Technologie Supérieure, Montreal, Canada and Prof. Julie Carrier, Univ. of Montréal, Montréal, Canada

[+] MEG as a diagnostic tool for post-traumatic stress disorders in military combatants

Dr. Elizabeth Pang, Hospital for Sick Children, Toronto, Canada

[+] Network dysfunction in neurological and psychiatric disorders: what have we learned?

Dr. Maher Quraan, TWRI, Toronto, Canada

[+] Nonlinear and transient descriptions of brain activity

Stephen Robinson, Mark Woolrich, Gareth Barnes, Matt Brookes; NIMH, Bethesda, USA ; Oxford, UK; UCL, London, UK; University of Nottingham, UK

[+] Evoked and induced oscillation in the auditory, visual and sensorimotor systems - mechanisms and applications.

Dr. Bernhard Ross, University of Toronto, Canada and Dr. Blake Johnson, Macquarie University, Australia

[+] Impact investigation of MEG as direct diagnostic methods

Dr. Hideaki Shiraishi, Department of Pediatrics, Hokkaido University Graduate School of Medicine

[+] Magnetic nanoparticle imaging based on AC susceptibility and magnetorelaxometry measurements

Mr. Frank Wiekhorst Physikalisch-Technische Bundesanstalt

[+] HOT TOPICS session

International Society for the Advancement of Clinical MEG (ISACM) Symposia:

Current Strengths and Emerging Clinical Applications

Organizers: Michael Funke & William Gaetz

[+] ISACM symposium 1: Current Standard of Clinical Care

Nobukazu Nakasato, Tohoku University, Sendai, Japan

[+] ISACM symposium 2: Emerging Clinical Indications

Michael Funke, University of Texas, Houston

[+] ISACM symposium 3: Advances in Multi-modal Integration

William Gaetz, CHOP, Philadelphia